REMARKS

This response is intended as a complete response to the Office Action dated June 30, 2005. In the Office Action, the Examiner noted that claims 1-20 are pending in the application and that claims 1-20 are rejected. In view of the following discussion, the Applicants believe that all claims are in allowable form.

I. REJECTIONS

A.   35 U.S.C. §102(e)   Claims 1-20

The Examiner rejected claims 1-20 as being anticipated by U.S. patent No. 6, 813, 560 ("van Diggelen"). The rejection is respectfully traversed.

The Examiner contends that van Diggelen anticipates the limitations of claims 1-20 as the specification contains the exact limitations disclosed in claims 1-20 (paragraph 2 of Examiner's Office Action). The Applicants respectfully disagree.

The van Diggelen patent discloses a method and apparatus for distribution and delivery of Global Positioning System (GPS) satellite ephemeris using a communication link between a central site and a mobile GPS receiver. A wide area network of reference satellite receivers collects the ephemeris data that it is transmitted by the satellites and communicates the data to the central site. The central site transmits the ephemeris data to the mobile receiver.

In contrast, the Applicants claim receiving a plurality of satellite navigation data streams at a central site and a processing system that removes duplicate packets within the plurality of satellite navigation data streams to generate a combined packet stream. The combined packet stream is then sent into a communication network. Specifically, the Applicants' claim 1 positively recites:

"A method of distributing satellite navigation data, comprising:

processing satellite signals at each of a plurality of reference stations to receive a respective plurality of satellite navigation data s treams;

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forming packets in response to said plurality of satellite navigation data streams to generate a plurality of packetized satellite navigation data streams;

sending each of said plurality of packetized satellite navigation data streams to a processing system;

removing, at said processing system, duplicate packets within said plurality of packetized satellite navigation data streams to generate a combined packet stream; and

sending said combined packet stream into a communication network."

(emphasis added to the original)

Claims 11 and 20 recite similar recitations in system and apparatus form. More particularly, van Diggelen does not disclose receiving a plurality of satellite navigation data streams, aggregating the satellite navigation data streams at a central site, and removing duplicate packets within the satellite navigation data streams from a plurality of reference sources. The van Diggelen patent only discloses distribution and delivery of satellite ephemeris data between a wide area network of reference satellite receivers to a central site and from the central site to a mobile receiver. The van Diggelen patent is devoid of any teaching of removing duplicate data packets from the navigation stream of satellite ephemeris data at the central site.

Since van Diggelen lacks at least one element of the Applicants' independent claims, van Diggelen does not anticipate the Applicants' invention under 35 U.S.C. § 102(e). As such, the Applicants submit that independent claims 1, 11 and 20 are patentable over van Diggelen. Claims 2-10 and 12-19 depend, either directly or indirectly, from independent claims 1 and 11 and recite additional features therefor. Since van Diggelen, does not anticipate independent claims 1, 11 and 20, dependent claims 2-10 and 12-19 are not anticipated and allowable. Accordingly, the Applicants respectfully request that the rejection be withdrawn and the claims allowed.

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B.   35 U.S.C. §102(e)   Claims 1-20

The Examiner rejected claims 1-20 as being anticipated by U.S. patent No. 6, 799, 116 ("Robbins"). The rejection is respectfully traversed.

The Examiner contends that Robbins teaches processing satellite signals at each of a plurality of reference stations to receive a respective plurality of satellite navigation data streams; forming packets in response to said plurality of satellite navigation data streams to generate a plurality of packetized satellite navigation data streams; sending each of said plurality of packetized satellite navigation data streams to a processing system; removing at said processing system, duplicate packets within said plurality of packetized satellite navigation data streams to generate a combined packet stream; and sending said combined packet stream into a communication network (Examiner's Office Action pages 3 and 4). The Examiner concludes that the teachings of Robbins anticipate the Applicants invention. The Applicants respectfully disagree.

Robbins does not teach removing at the processing system, duplicate packets within the plurality of packetized satellite navigation data streams to generate a combined packet stream. Robbins teaches collecting measurements from a plurality of network reference stations; determining network corrections from the measurements; determining residual errors at one or more vernier-cell referred stations; and preparing vernier-cell corrections to compensate the residual errors within a vernier–cell region. Robbins is devoid of any teaching of sending a plurality of packetized satellite navigation data streams to a processing system, and removing duplicate packets within the packetized satellite navigation data stream at the processing system to generate a combined packet stream.

Since Robbins lacks at least one element of the Applicants' independent claims, Robbins does not anticipate the Applicants invention under 35 U.S.C. § 102(e). As such, the Applicants submit that independent claims 1, 11 and 20 are patentable over Robbins. Claims 2-10 and 12-19 depend, either directly or indirectly, from independent claims 1 and 11 and recite additional features therefor. Since Robbins does not anticipate independent claims 1, 11 and 20, dependent claims 2-10 and 12-19 are not anticipated and allowable.
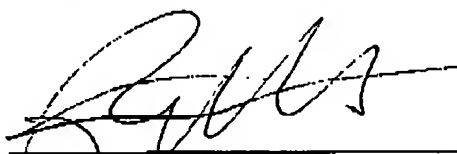
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Accordingly, the Applicants respectfully request that the rejection be withdrawn and the claims allowed.

CONCLUSION

Thus, the Applicants submit that all claims now pending are in condition for allowance. Accordingly, both reconsideration of this application and its swift passage to issuance are earnestly solicited. If, however, the Examiner believes that any unresolved issues still exist, it is requested that the Examiner telephone Mr. Raymond R. Moser Jr. at (732) 935-7100 so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted,

Raymond R. Moser Jr., Attorney
Reg. No. 34, 682
(732) 935-7100
Moser IP Law Group
1040 Broad Street, 2nd Floor
Shrewsbury, NJ 07702
Attorney for Applicant(s)

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